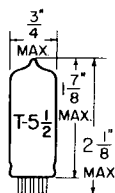


TUNG-SOL

PENTODE

MINIATURE TYPE



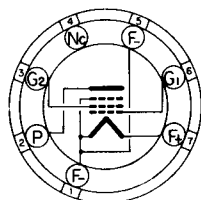
GLASS BULB

COATED FILAMENT

1.4 VOLTS 25 MA.

AC OR DC

ANY MOUNTING POSITION


 BOTTOM VIEW
 MINIATURE BUTTON
 7 PIN BASE

6AR

THE 1AF4 IS A FILAMENTARY TYPE VOLTAGE AMPLIFIER PENTODE USING THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED SPECIFICALLY FOR USE IN PORTABLE RECEIVERS AS AN AF OR RF AMPLIFIER. THE FILAMENT POWER CONSUMPTION HAS BEEN CUT IN HALF WITH RESPECT TO TUBES PREVIOUSLY USED IN THIS SERVICE.

DIRECT INTERELECTRODE CAPACITANCES

	WITHOUT SHIELD	WITH SHIELD ^A	
GRID TO PLATE: (G ₁ TO P) MAX.	0.008	0.008	μmf
INPUT: G ₁ TO (F&G ₃ &IS+G ₂)	3.8	3.8	μmf
OUTPUT: P TO (F&G ₃ &IS+G ₂)	7.5	7.6	μmf

^A SHIELD #316 CONNECTED TO PINS 1 AND 5.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

FILAMENT VOLTAGE	1.4	VOLTS
MAXIMUM PLATE VOLTAGE	110	VOLTS
MAXIMUM GRID #2 VOLTAGE	90	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	110	VOLTS
MAXIMUM POSITIVE GRID #1 VOLTAGE	0	VOLTS
MAXIMUM CATHODE CURRENT	2.5	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

FILAMENT VOLTAGE	1.4	1.4	VOLTS
FILAMENT CURRENT	25	25	MA.
PLATE VOLTAGE	67.5	90	VOLTS
GRID #2 VOLTAGE	67.5	90	VOLTS
GRID #1 VOLTAGE	0	0	VOLTS
PLATE RESISTANCE	2	1.8	MEGOHMS
TRANSCONDUCTANCE	825	950	μMHOS
PLATE CURRENT	1	1.65	MA.
GRID #2 CURRENT	0.3	0.5	MA.
GRID #1 VOLTAGE FOR G _m = 10 μMHOS	-2.5	-3.5	VOLTS